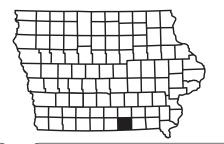
IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS FOR HONEY CREEK STATE PARK WASTEWATER CONVEYANCE SYSTEM APPANOOSE COUNTY, IOWA

PROJECT # 20-05-04-06



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PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INSTALING TWO NEW DUPLEX LIFT STATIONS AT TWO LOCATIONS AND INSTALLING TWO NEW FORCEMAINS TO CONVEY THE WASTEWATER TO THE CENTRAL LAGOON SYSTEM.



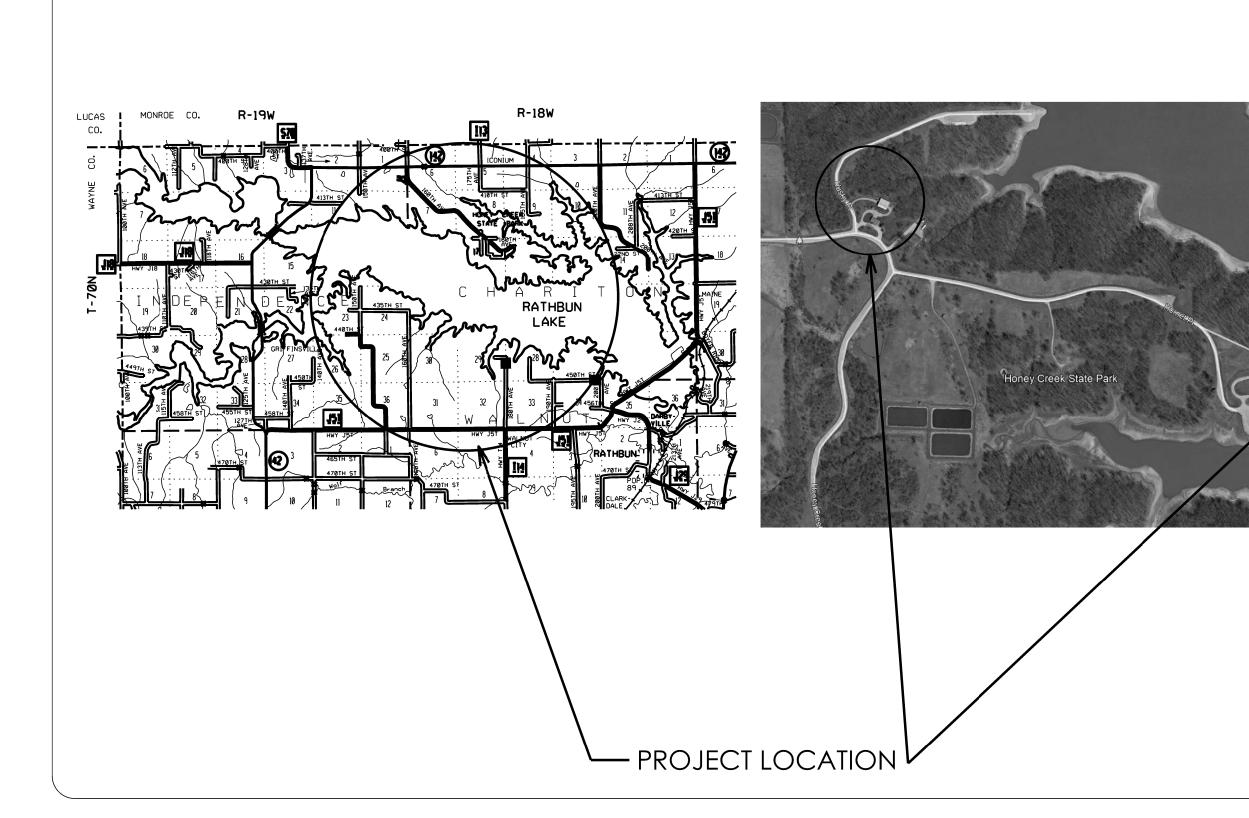
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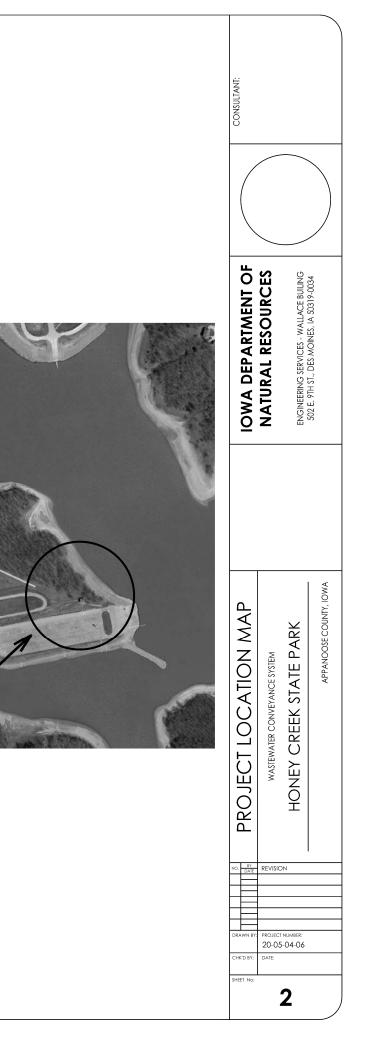


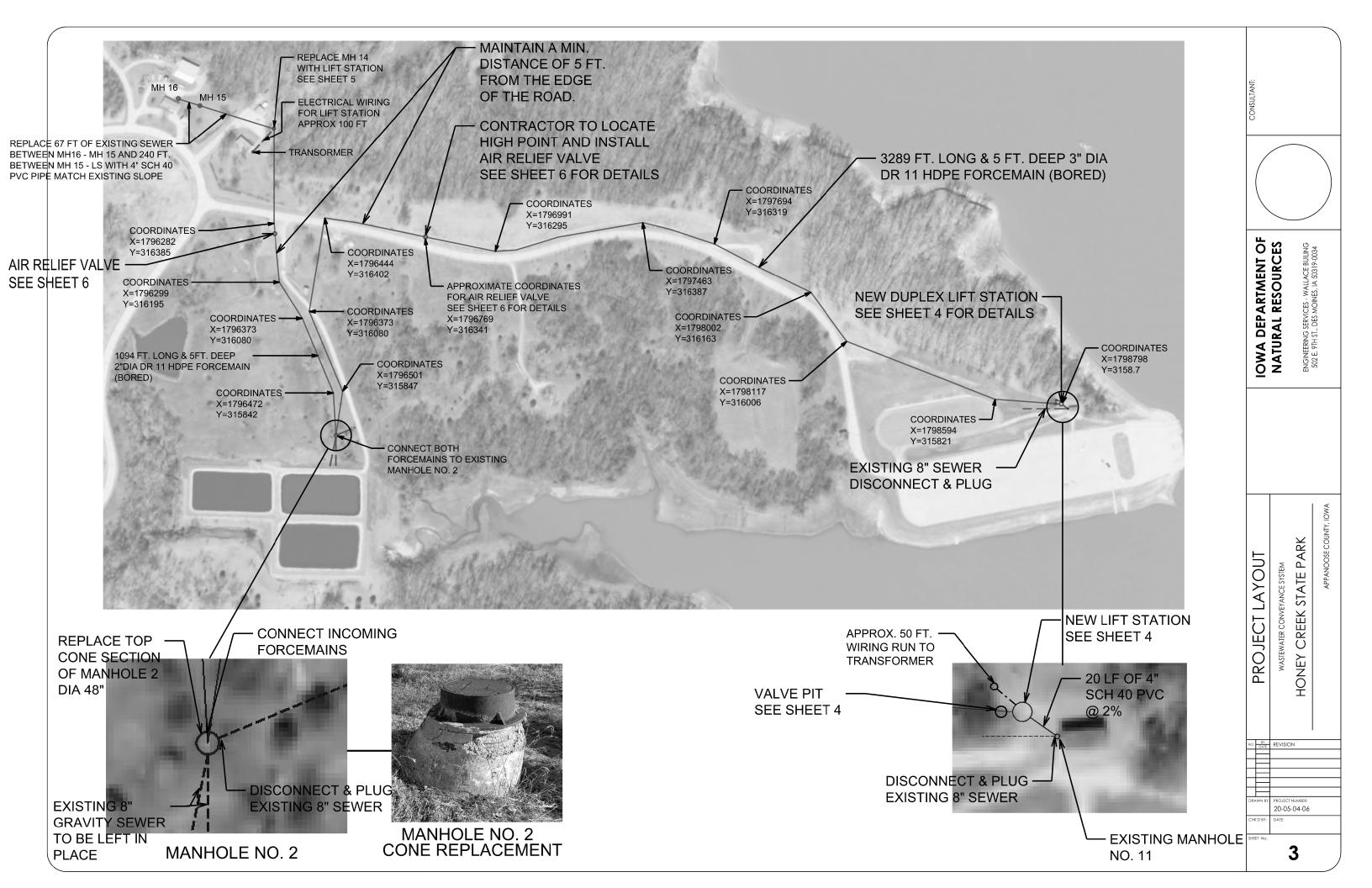
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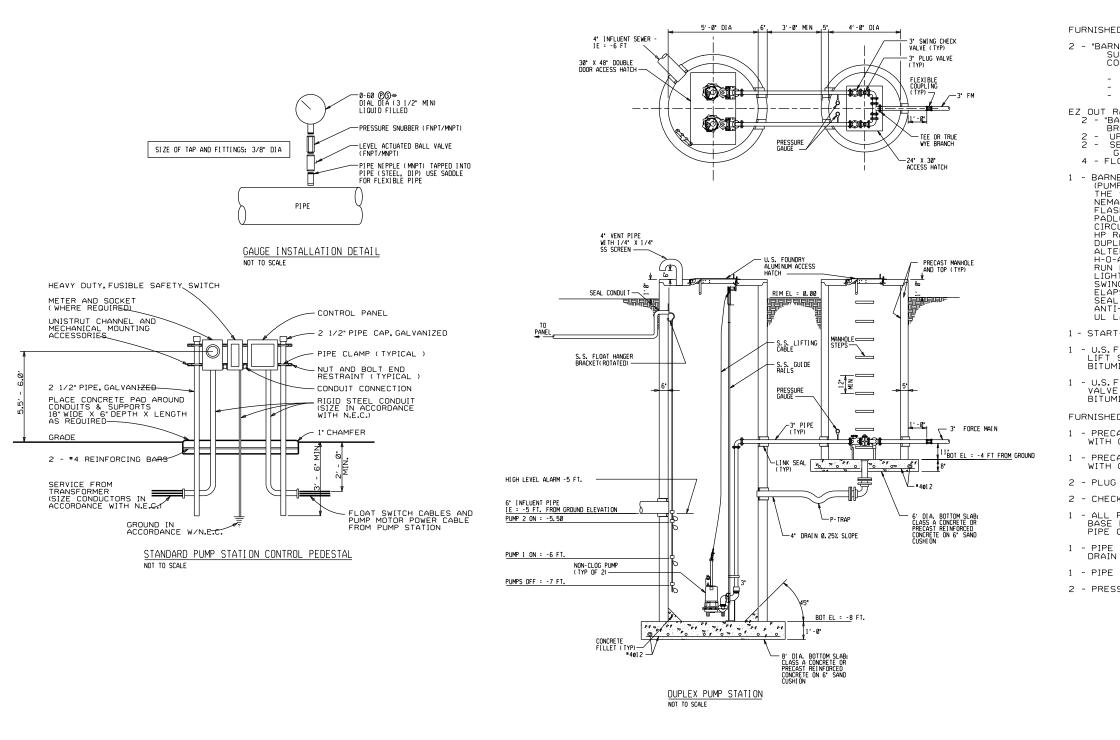
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ITY,STATE,ZIP	
ONTACT	JASON KRUSE
ELEPHONE	515-250-3707
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MAIL	jason.kruse@dnr.iowa.gov
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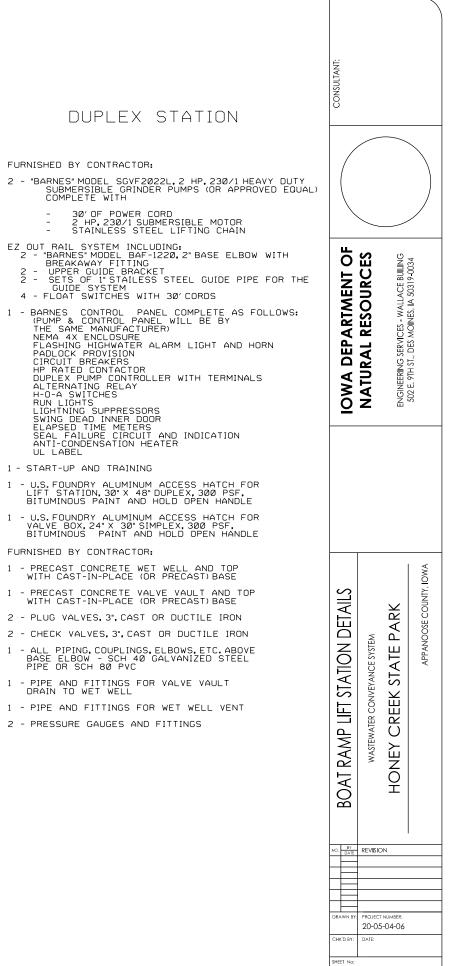
	SHEET INDEX				
1					
2	LOCATION MAP				
3	PROJECT LAYOUT	Ϋ́			
4	BOAT RAMP LIFT STATION	IAI			
5	RESIDENCE LIFT STATION	CONSULTANT:			
6	AIR RELEASE MANHOLE AND ALARM PANEL	NO			
7	QUANTITIES AND GENERAL INFORMATION	0			
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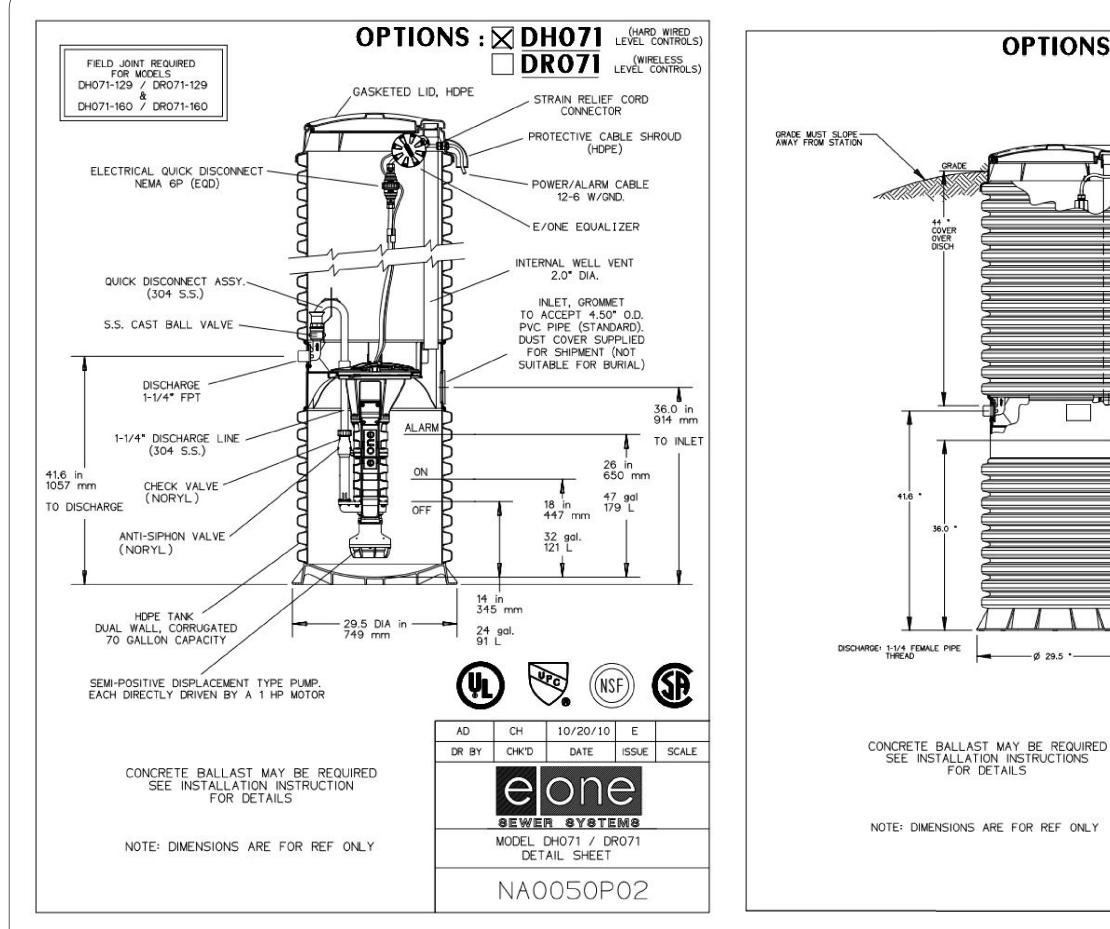




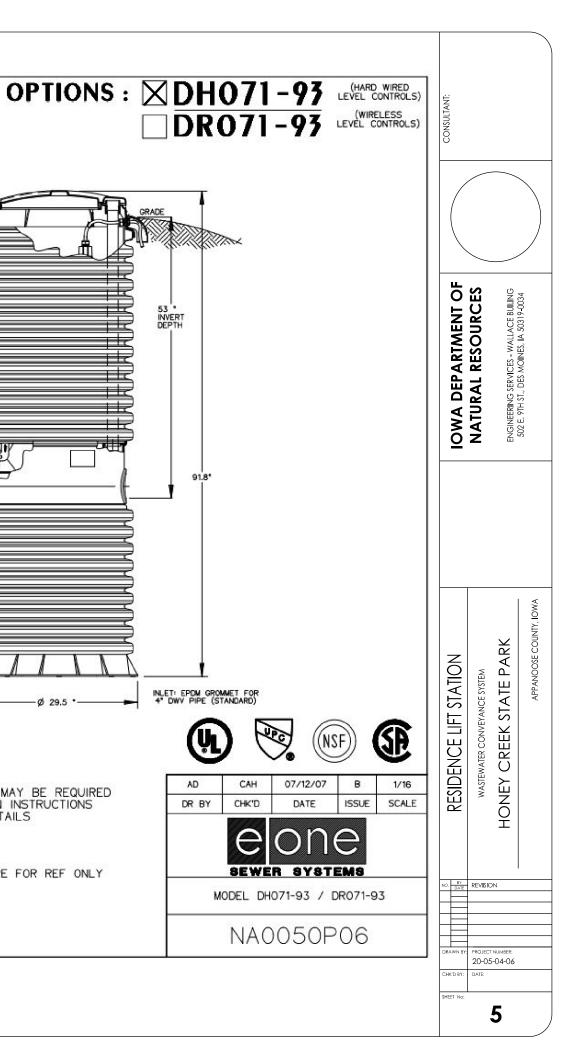




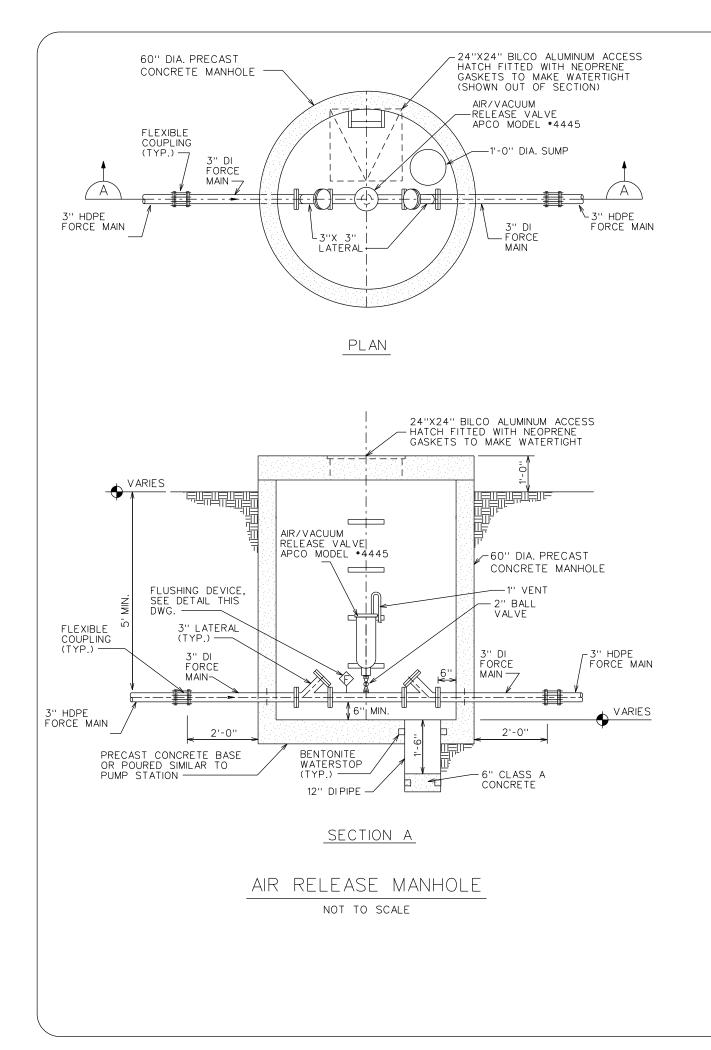


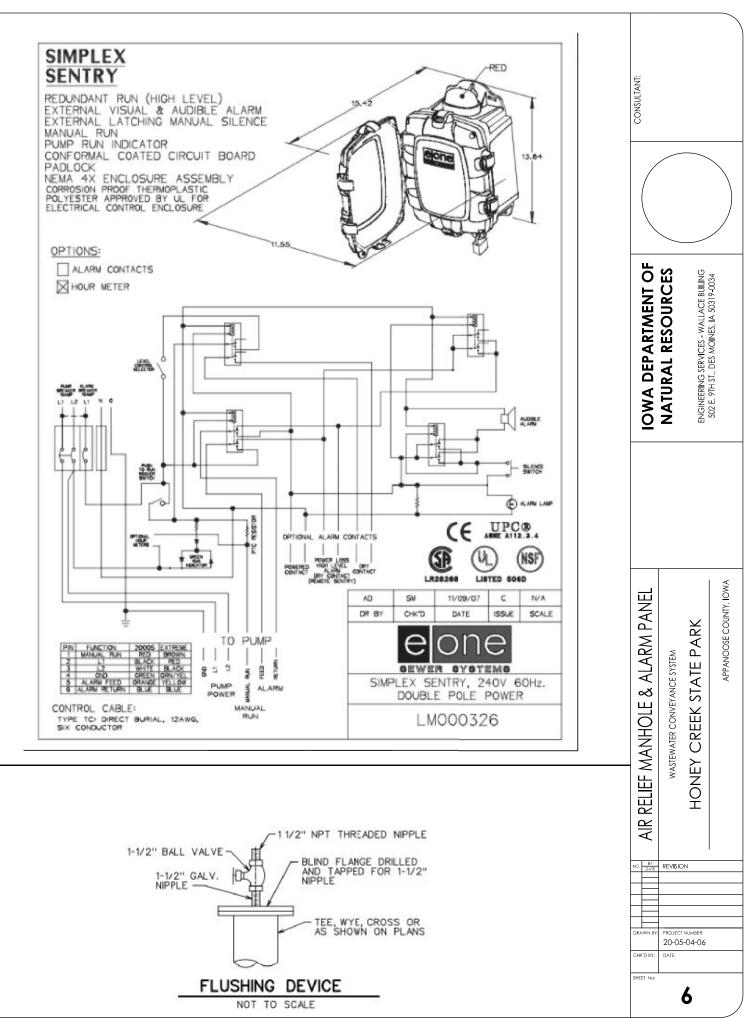


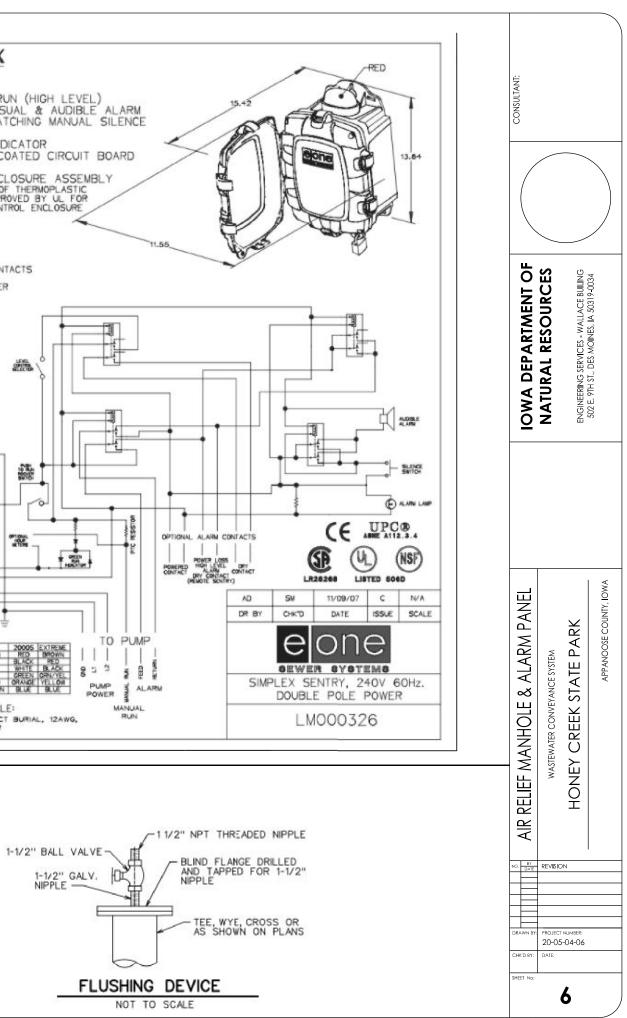
NOTE: FOR CONTROLS SEE SHEET 6



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ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	MOBILIZATION	LUMP SUM	1
	BOAT RAMP RESTROOM LIFT STATION		
2	4-INCH SANITARY SEWER SERVICE (PVC SCH 40) WITH CONNECTIONS	LF	20
3	REMOVE & PLUG 8" SEWER AT MH 11	LUMP SUM	1
4	INSTALL NEW DUPLEX LIFT STATION COMPLETE WITH CONTROLS & VALVE PIT	LUMP SUM	1
5	ELECTRICAL CONNECTION FROM TRANSFORMER (APROX. 50 FT.)	LUMP SUM	1
6	3 INCH HDPE DR 11 FORCEMAIN WITH #12 TRACER WIRE	LF	3289
7	AIR RELIEF VALVE COMPLETE WITH MANHOLE	LUMP SUM	1
8	CONNECT FORCEMAIN WITH MH No. 2	EACH	2
9	DISCONNECT AND PLUG 8" SEWER AT MH No. 2	LUMP SUM	1
10	REPLACE CONE SECTION OF MH No.2, 48" DIA	LUMP SUM	1
	RESIDENCE LIFT STATION		
11	REPLACE EXISTING SEWER BETWEEN MH 16 TO MH 15 & MH 15 TO PROPOSED	LF	307
	LIFT STATION (INCLUDING CONNECTIONS) WITH 4"PVC SCH 40.		
12	REMOVE MH 14 & DISPOSE OFF SITE	LUMP SUM	1
13	INSTALL NEW E-ONE SIMPLEX LIFT STATION WITH CONTROLLER (OR APPROVED EQUIVALENT)	LUMP SUM	1
14	ELECTRICAL CONNECTION FROM TRANSFORMER (APROX. 100 FT.)	LUMP SUM	1
15	2 INCH HDPE DR 11 FORCEMAIN WITH #12 TRACER WIRE	LF	1094
16	AIR RELIEF VALVE COMPLETE WITH MANHOLE	LUMP SUM	1
17	SITE RESTORATION FOR COMPLETE SITE	LUMP SUM	1

ESTIMATE REFERENCE INFORMATION

DESCRIPTION

4 & 13 INCLUDES ELECTRICAL CONNECTIONS AND START UP

6 & 15 3 INCH & 2 INCH FORCEMAINS WILL BE BORED

ITEM

NO.

GENERAL NOTES

Verify actual locations and elevations with DNR Engineer.

All work shall conform to and be performed in accordance with al ordinances.

The contractor shall visit the site and inspect the project area and themselves with the actual job conditions prior to bidding and the visit the project site shall not relieve the contractor from performing to the plans, specification, special provisions and contract.

The contractor shall verify, at the site, all dimensions and condition shall notify the DNR Engineer of any discrepancies, omissions, and, proceeding with the work.

It shall be the contractor's responsibility to provide waste areas or material (excavated material or broken concrete) which is not desi into the work involved on this project. No payment for overhaul w hauled to these sites. No material shall be placed within the rightstated in the plans or approved by the DNR Engineer.

The contractor shall not disturb desirable grass areas and desirable construction limits. The contractor will not be permitted to park o equipment or use these areas for storage of materials. Storage, pa will be subject to the approval of the DNR Engineer.

Where utilities and fixtures are shown as Existing on the plans or e construction area, it shall be the responsibility of the contractor to of those utilities prior to the beginning of any construction. The co access to these facilities for necessary modification of services. Un structures and utilities have been plotted from available surveys ar their locations must be considered approximate only. It is possible existence of which is presently not known or shown. It is the contracter determine their existence and exact location and to avoid damage additional compensation will be allowed to the contractor for any i caused by such work.

The contractor shall shape graded area to maintain surface drainage finish grade.

The contractor is expected to have materials, equipment, and labo to install and maintain erosion control features on the project. The fence, rock ditch checks, silt basins or silt dikes.

All construction shall be in accordance with Satewide Urban Stand for public improvements (SUDAS). All construction testing to be in and is the expense of of the contractors.

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applicable codes and	CONSULTANT			
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horoughly familiarize start of work. Failure to ng the work in accordance				
ns shown on the plans and or conflicts prior to				/
disposal sites for excess rable to be incorporated ill be allowed for material of-way, unless specifically	OWA DEPARTMENT OF	RESOURCES	ENGINEERING SERVICES - WALLACE BUILING	
e trees outside the r service vehicles and rking and service areas	DWA DEP	NATURAL	ENGINEERING SERVIC	
ncountered within the notify the DNR Engineer intractor shall be afforded derground facilities, nd records and therefore there may be others, the actor's responsibility to thereto. No claims for nterference or delay	2		ш	
ge. All elevations are to	AATION			JNTY, IOWA
r available on a daily basis s may involve seeding, silt	NFORN	STEM	E PARK	APPANOOSE COUNTY,
ard Design Specifications accordance with SUDAS	QUANTITIES AND GENERAL INFORMAT	wastewater conveyance system	HONEY CREEK STATE PARK	APP
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